

**Arizona Department of Water Resources
State Standards Work Group**

Presents:

Floodplain Issues in Transportation Design

Wednesday, April 20, 2011

9:00 am – 4:00 pm

Tucson, Westin La Paloma Resort

Course Description: Training will be provided in the application of Floodplain Issues in Transportation Design (updated from 2006). The 6-hour course will present background information with respect to the Federal Emergency Management Agency and the Arizona Department of Water Resources in floodplain management issues relative to transportation design. Participants will be taught the application of hydrologic and hydraulic methods in designing roadway crossings, as well as sediment/geomorphic parameters. Design guidelines, processes and illustrated examples will be provided.

Objective: Upon completion of the course, the participants should be able to:

- Apply Arizona State Standards to transportation projects,
- Understand and apply hydrologic/hydraulic principles in design of roadway crossings,
- Understand floodplain issues in transportation projects,
- Utilize design criteria and procedure checklists, and
- Understand various local, state and federal permitting issues.

Who should attend: Public and private sector transportation engineers, hydraulics engineers, hydrologists and floodplain managers/agency staff involved in roadway design, or floodplain and roadway design review.

What to Bring: Pen or Pencil.

Cost: There is no cost to attend this workshop but lunch is on your own.

Certified Floodplain Managers: Workshop has been pre-approved by ASFPM for 6 CECs for participants that have not taken this training within the past 5 years.

Please find information on the Roads and Streets Conference at: www.acecaz.org If you are attending the Conference on 4/20-4/22/2011, you must register for this training separately from the conference registration.

To register for the training go to the Arizona Floodplain Management Association website at www.azfma.org and follow the link. Please note that attendance at the Conference is not mandatory in order to take the course.

Registration for this training course is limited to 50 participants, register early!

For more information contact: Brian Cosson, State Standards Workgroup Chair, ADWR (602) 771-8657: E-mail: btcosson@azwater.gov